

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

#### SIGNAL DIFFERENTIATION SYSTEM USING IMPROVED NON-LINEAR OPERATOR

(Title of Invention)

the specification of which:

| <u></u> | is attached hereto, or  |
|---------|---|
| ☒       | was filed by an authorized person on my behalf on <u>February 12, 2001</u> as United States Application Number <u>09/780,561</u> or PCT International Application Number, and was amended on (if applicable). |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below, and I have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application, on this invention filed by me or my legal representatives or assigns and having a filing date before that of the application on which priority is claimed:

### Attorney Docket No. 70478

| Prior<br>Foreign Application   |  | Foreign   | Priority  | Certified<br>Attac   |  |  |
|--|--|---|---|--|--|--|
| Number(s)  | Country  | Filing Date   | Not Claimed   | <u>Yes</u>   | <u>No</u>  |  |
| NONE   |  |   | □   | □  |  |  |
|  |  |   | 口   |  | <u> </u>   |  |
|  |  |   | 口   |  | ㅁ  |  |
| <ul><li>Additional foreign app<br/>hereto.</li></ul>   | olication numbers are li   | sted on a supple  | emental priority o  | data sheet   | attached   |  |
| I hereby claim the benef<br>provisional application(s)   |  | ited States Cod   | de, §119(e) of  | any Unite  | d State  |  |
| Provi  | sional Application<br>Number(s)  | Provi   | sional Application  | on<br>—  |  |  |
|  | 60/193,228   | March 30, 2000  |   |  |  |  |
| Additional provisional attached hereto.  I hereby claim the benefit application(s), or under selection is not disclose manner provided by the fiduty to disclose all information in the code of Federal Regulation application(s) and the national attached in the code of the | i365(c) of any PCT in below and, insofar a led in the prior United its paragraph of Title letton known by me to les, §1.56, which because. | ed States Code<br>nternational app<br>s the subject m<br>States or PCT<br>35, United Stat<br>be material to<br>came available b | , §120, of any polication(s) designatter of each of international ages Code, §112, patentability as petween the filing of this applicational ages | prior Unite<br>gnating th<br>the claim<br>pplication(<br>I acknowl<br>defined in<br>ng date of | ed States<br>e United<br>is of this<br>s) in the<br>edge the<br>Title 37 |  |
| Prior U.S. <u>Application Number</u> NONE  | International Application Number   | Internati<br>Applica  | onal F  | Patent Nun<br>(if applicat   |  |  |

□ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the practitioners associated with Customer Number 22242, with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and request that all correspondence and telephone calls in respect to this application be directed to FITCH, EVEN, TABIN & FLANNERY, Suite 1600, 120 South LaSalle Street, Chicago, Illinois 60603-3406, Telephone No. (312) 577-7000, Facsimile No. (312) 577-7007, CUSTOMER NUMBER 22242.



I hereby declare that all statements made herein of my own knowledge are true, and that all statements made herein on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity or enforceability of the application or any patent issued thereon.

| Full name of sole or one         |  |
|----------------------------------|--|
| joint inventor:                  | Stephan W. Wegerich  |
|                                  | (Given names first, with Family name last)                       |
| Inventor's signature:            | Atestran W Weyner  |
| Date:                            | 6/22/01  |
| Residence:                       | Glendale Heights, Illinois                                       |
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|                                  |  |
| Citizenship:                     | United States of America   |
| Cull pages of and                |  |
| Full name of one ioint inventor: | Alan D. Wilks  |
| joint inventor.                  | (Given names first, with Family name last)                       |
| Inventor's signature:            | Man Delley   |
| _                                | 2 2 2001   |
| Date:                            | June 22, 2001  |
| Residence:                       | Mount Prospect, Illinois   |
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|                                  |  |
| Citizenship:                     | United States of America   |
|                                  |  |

## Attorney Docket No. 70478

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|-----------------------|--|
| joint inventor:       | John D. Nelligan   |
| Inventor's signature: | (Given names first, with Family name last)                       |
| •                     | (777)  |
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| Tost Office Address.  | 1000 Albor oddit   |
|                       | Mount Prospect, Illinois 60056                                   |
|                       |  |
| Citizenship:          | United States of America   |
| Oluzonariip.          | Office Otatos of Afficial  |



#### <u>PATENT</u>

Attorney Docket No. 70478

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) or Patentee(s):

Stephan W. WEGERICH et al.

Application No. or Patent No.:

09/780,561

Filed or Issued:

February 12, 2001

For:

SIGNAL DIFFERENTIATION SYSTEM USING IMPROVED

**NON-LINEAR OPERATOR** 

Group Art Unit:

2123

Examiner:

# VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 C.F.R. §§1.9(f) AND 1.27(c)) - SMALL BUSINESS CONCERN

I hereby declare that I am:

|  | the d | wner | of | the | small | business | concern | identified | below: |
|--|-------|------|----|-----|-------|----------|---------|------------|--------|
|--|-------|------|----|-----|-------|----------|---------|------------|--------|

an official of the small business concern empowered to act on behalf of the concern identified below:

| NAME OF CONCERN    | SmartSignal Corp.              |  |
|--------------------|--------------------------------|--|
| ADDRESS OF CONCERN | 4200 Commerce Court, Suite 102 |  |
|                    | Lisle, Illinois 60532          |  |

I hereby declare that the above-identified small business concern qualifies as a small business concern as defined in 37 C.F.R. §1.9(d) and in 13 C.F.R. Part 121 to be eligible for reduced patent fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons, and that the concern has not assigned, granted, conveyed or licensed (and is under no obligation to do so) any rights in the invention to any person who made it and could not be classified as an independent inventor, or to any concern which would not qualify as a non-profit organization or a small business concern under 13 C.F.R. §121.802. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled <u>SIGNAL DIFFERENTIATION SYSTEM USING IMPROVED NON-LINEAR OPERATOR</u> by inventor(s) <u>Stephan W. Wegerich, Alan D. Wilks, and John D. Nelligan</u> described in:

|  | the specification filed application number _ Patent No, is   | 09/780,56  |   | bruary 12, 2001  | <b>_</b> ·   |
|--|--|--|---|--|--|
| concern<br>inventio<br>inventor<br>would n | thts held by the above<br>or organization havi<br>n are held by any pers<br>under 37 C.F.R. §1<br>ot qualify as a small b<br>7 C.F.R. §1.9(e).     | ng rights to<br>on, other tha<br>.9(c) if that                 | the invention is<br>n the inventor, who<br>person made the i                          | listed below* and<br>o could not qualify a<br>invention, or by ar                      | no rights to the<br>as an independen<br>ny concern which                           |
|  | *NOTE: Separate ver organization having (37 C.F.R. §1.27)  |  |   |  |  |
| Full Nan                                   |  |  |   |  |  |
| Address                                    | ☐ Individual   | ☐ Small Bu   | siness Concern  | □ Nonprofit O  | rganization  |
| Full Nan                                   | ne   |  |   |  | -  |
| Address                                    |  | □ Cmall Di   | usinosa Consorn   | □ Nonprofit O  | rappization  |
|  | ☐ Individual   | U Siliali bu   | isiness Concern   | <u>nonpront o</u>  | rgamzadon  |
| resulting<br>earliest (                    | wledge the duty to fil-<br>g in loss of entitlemen<br>of the issue fee or any<br>nger appropriate (37 C  | t to small ent<br>maintenance                                  | ity status prior to<br>fee due after the d  | paying, or at the ti   | me of paying, the  |
| stateme<br>stateme<br>punishal<br>Code, a  | declare that all stat<br>nts made on informants were made with to<br>ble by fine or imprison<br>and that such willful fa<br>ssuing thereon, or any | ation and be<br>he knowledgo<br>iment, or bot<br>alse statemer | lief are believed<br>e that willful false<br>h, under Section 1<br>nts may jeopardize | to be true; and for<br>statements and the<br>OO1 of Title 18 of<br>the validity of the | urther that these<br>e like so made are<br>the United States<br>e application, any |
|  |  |  |   |  |  |
| NAME O                                     | F PERSON SIGNING   |  | R. Matthew P  | ipke   |  |
| TITLE OF                                   | PERSON IF OTHER THAN   | OWNER  | Vice Presiden   | t of Strategic Deve  | lopment  |
| ADDRES                                     | S OF PERSON SIGNING  |  | 4200 Comme  | rce Court, Suite 10  | )2   |
|  |  |  | Lisle, Illinois   | 60532  |  |
| SIGNATI                                    | JRE  |  | Kelrest W   | talthur Piph   |  |
| DATE                                       |  |  | 6-22  | -01  |  |
|  |  |  |   |  |  |